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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/868,849	09/21/2001	Bill Kavadas	027566-032	6460

27045 7590 07/11/2005

ERICSSON INC.
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EXAMINER	
NGUYEN, BINH QUOC	
ART UNIT	**PAPER NUMBER**
2664	

DATE MAILED: 07/11/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	09/868,849	KAVADAS ET AL.	
	Examiner	Art Unit	
	Binh Q. Nguyen	2664	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE *03* MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *22 December 1998*.

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-9* is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-9* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☐ All b)☐ Some * c)☐ None of:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date *10/25/2001 and 09/21/2001*
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ .
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other: _____.

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. **Claim 1-9** are rejected under 35 U.S.C. 102(e) as being anticipated by ***Hoffpauir et al*** the Reg. No: (US 000001895H), hereinafter referred to as ***Hoffpauir.***

Regarding claim 1; ***Hoffpauir*** teaches a method of transmitting signalling information between two signalling points of a Public Land Mobile Network, the method comprising;

formulating said signalling information into a message according to the Mobile Application Part (MAP) protocol *(see col. 8, lines 9-14)*; and

determining whether or not a destination signalling point for the MAP message is co-located *(see col. 25, lines 65-67 "same node means co-located")* and, if so, passing the MAP message to a packet switched data network to provide for transmission of the message over said packet switched data network *(see Fig. 1, col. 15, lines 35-55 "PLMN 16 includes packet switched data network")* and, if not, passing the MAP message to a Signalling System No. 7 (SS7) transport mechanism to provide for transmission of the message over an SS7 network *(see col. 15, lines 46-55).*

Regarding claim 2; ***Hoffpauir*** teaches a method according to claim 1, wherein said determining is performed at a signalling point wishing to send a Mobile Application Part (MAP) message *(see Fig. 4-6, col. 15, lines 42-55)*.

Regarding claim 3; ***Hoffpauir*** teaches a method according to claim 1, wherein the co-located signalling points of the PLMN coupled by the said packet switched data network include two or more of a Mobile Switching Centre (MSC), a Gateway Mobile Switching Centre (GMSC), a Home Location Register (HLR), and a Visitor Location Register (VLR) *(see Fig. 1-2, col. 15, lines 35-55)*.

Regarding claim 4; ***Hoffpauir*** teaches a method according to claim 1, wherein the packet switched data network is an IP network *(see Fig. 2 & 4, col. 12, lines 37-41)* and the MAP sits on top of the IP layers at each of the co-located signalling points *(see Fig. 2 &4, col. 25, lines 4-24)*.

Regarding claim 5; ***Hoffpauir*** teaches a method according to claim 4, wherein the co-located signalling points have access to an SS7 network and the MA at the signalling points sits on top of the SS7 protocol layers *(see Fig. 2 &4, col. 25, lines 4-24)*.

Regarding claim 6; ***Hoffpauir*** teaches a method according to claim 5, wherein an, adaptation layer is provided between the MAP and the IP and SS7 layers, the adaptation layer responding to a MAP dialogue initiation by determining whether or not the destination address for the dialogue corresponds to a co-located signalling point and, if the destination address for the dialogue does correspond to a co-located signalling point, then the adaptation layer determines the IP address corresponding to the destination address *(see col. 24, lines 24-41)*.

Regarding claim 7; ***Hoffpauir*** teaches apparatus for, transmitting signalling information between two signalling points of a Public Land Mobile Network, the apparatus comprising;

first signal processing means for formulating said signalling information into a message according to the Mobile Application Part (MAP) protocol *(see col. 8, lines 9-14)*;

second signal processing means for formulating MAP messages according to a packet switched data transport mechanism *(see col. 15, lines 7-24)*; and

means for determining whether or not a destination signalling point for the MAP message is co-located and, if so,' for passing the MAP message to said second signal processing means to provide for transmission of the message over a packet switched data network and, if not, for passing the MAP message to a Signalling System No. 7 (SS7) transport mechanism to provide for transmission of the message over an SS7 network *(see col. 15, lines 46-55)*.

Regarding claim 8; ***Hoffpauir*** teaches a signalling point within a Public Land Mobile Network (PLMN), the signalling point comprising:

first signal processing means for formulating said signalling information into a message according to the Mobile Application-Part (MAP) protocol *(see col. 8, lines 9-14)*;

second signal processing means for formulating MAP messages according to a packet switched data transport mechanism *(see col. 15, lines 7-24)*; and

means for determining whether or not a destination signalling point for the MAP message is co-located and, if so, for passing the MAP message to said second signal processing means to provide for transmission of the message over a packet switched data network and, if not, for passing the MAP message to a Signalling System No. 7 (SS7) transport mechanism to provide for transmission of the message over an SS7 network *(see col. 17, lines 33-50)*.

Regarding claim 9; ***Hoffpauir*** teaches a signalling point according to claim 8, wherein the signalling point acts as a signalling transfer point for messages received from non-co-located signalling points, whereby the signalling transfer point relays MAP messages to a co-located signalling point over the packet switched network *(see col. 15, lines 9-54)*.

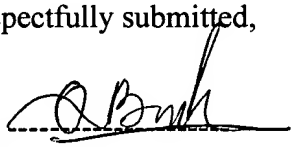
Contact Information

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Binh Q. Nguyen whose telephone number is 571-272-8563. The examiner can normally be reached on M-F: 9:00 AM - 5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wellington Chin can be reached on 571-272-3134. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Respectfully submitted,

By: 
Binh Q. Nguyen
Patent Examiner
06/22/2005